

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>			
		<b>Application Number</b>	10/674,040		
		<b>Filing Date</b>	2003-09-29		
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI		
		<b>Art Unit</b>	2617		
		<b>Examiner Name</b>	NGUYEN, KHAI MINH		
<b>Sheet</b>	1	<b>of</b>	17	<b>Attorney Docket No:</b> 030245	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	001	US2149518	03-07-1939	FRANK SR THOMAS	
	002	US5592470	01-07-1997	RUDRAPATNA, et al.	
	003	US6760303	07-06-2004	BROUWER; Frank	
	004	USRE38603	09-28-2004	Kim, et al.	
	005	US7289529	10-30-2007	SHERMAN; Matthew J.	
	006	US6816827	11-09-2004	XIA, et al.	
	007	US3470324	09-30-1969	HARMUTH Henning.	
	008	US5394433	02-28-1995	BANTZ; David F. et al.	
	009	US5406585	04-11-1995	ROHANI; Kamyar. et al.	
	010	US5463342	10-31-1995	GUARD; Glenn B.	
	011	US5483557	01-09-1996	WEBB; William T.	
	012	US5535214	07-09-1996	SHIOBARA; Yasuhisa.	
	013	US5544156	08-06-1996	TEDER; Paul M. et al.	
	014	US5581575	12-03-1996	ZEHAVI; Ephraim. et al.	
	015	US5627938	05-06-1997	JOHNSTON; James D.	
	016	US5647366	07-15-1997	WENG; Lee.	
	017	US5719852	02-17-1998	SCHILLING; Donald L. et al.	
	018	US5726978	03-10-1998	FRODIGH; Carl Magnus. et al.	
	019	US5752193	05-12-1998	SCHOLEFIELD; Christopher. et al.	
	020	US5754537	05-19-1998	JAMAL; Karim.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040	
		<b>Filing Date</b>	2003-09-29	
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	NGUYEN, KHAI MINH	
<b>Sheet</b>	2	of	17	<b>Attorney Docket No:</b> 030245

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	021	US5764551	06-09-1998	MCCORKLE; John W.	
	022	US5809059	09-15-1998	SOUISSI; Slim, et al.	
	023	US5815526	09-29-1998	RICE; Bart F.	
	024	US5857174	01-05-1999	DUGAN; John W.	
	025	US5862451	01-19-1999	GRAU; Alan L. et al.	
	026	US5903608	05-11-1999	CHUN; You-sik.	
	027	US5914950	06-22-1999	TIEDEMANN; Jr. Edward G. et al.	
	028	US5923650	07-13-1999	CHEN; Tao. et al.	
	029	US5956642	09-21-1999	LARSSON; Per .ANG.ke. et al.	
	030	US5966377	10-12-1999	MURAI; Hideshi.	
	031	US5969751	10-19-1999	LEE; Myeong-hwan.	
	032	US5973642	10-26-1999	LI; Ye. et al.	
	033	US5991271	11-23-1999	JONES; David C. et al.	
	034	US5991273	11-23-1999	ABU-DAYYA; Adnan.	
	035	US6005876	12-21-1999	CIMINI; Jr. Leonard Joseph. et al.	
	036	US6014373	01-11-2000	SCHILLING; Donald L. et al.	
	037	US6046980	04-04-2000	PACKER; Robert L.	
	038	US6052594	04-18-2000	CHUANG; Justin Che-I. et al.	
	039	US6061359	05-09-2000	SCHILLING; Donald L. et al.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete # Known</b>			
		<b>Application Number</b>	10/674,040		
		<b>Filing Date</b>	2003-09-29		
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI		
		<b>Art Unit</b>	2617		
		<b>Examiner Name</b>	NGUYEN, KHAI MINH		
<b>Sheet</b>	3	<b>of</b>	17	<b>Attorney Docket No:</b> 030245	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	040	US6064692	05-16-2000	CHOW; Jacky S.	
	041	US6088387	07-11-2000	GELBLUM; Ehud Alexander, et al.	
	042	US6094459	07-25-2000	KAO; Chiihsin, et al.	
	043	US6108374	08-22-2000	BALACHANDRAN; Krishna, et al.	
	044	US6108384	08-22-2000	OKUMURA; Yukihiro, et al.	
	045	US6111911	08-29-2000	SANDERFORD; Jr. H. Britton, et al.	
	046	US6115357	09-05-2000	PACKER; Robert L. et al.	
	047	US6128349	10-03-2000	CHOW; Jacky S.	
	048	US6128882	10-10-2000	JONES; Cecil Gwilliam.	
	049	US6130882	10-10-2000	LEVIN; Howard E.	
	050	US6131016	10-10-2000	GREENSTEIN; Lawrence Joel, et al.	
	051	US6134215	10-17-2000	AGRAWAL; Avneesh, et al.	
	052	US6134218	10-17-2000	HOLDEN; Brian D.	
	053	US6141388	10-31-2000	SERVAIS; Frederic Henri, et al.	
	054	US6144654	11-07-2000	IBANEZ-MEIER; Rodrigo, et al.	
	055	US6201576	03-13-2001	RAGHUNATH; Kalavai J. et al.	
	056	US6201954	03-13-2001	SOLIMAN; Samir S.	
	057	US6205129	03-20-2001	ESTEVEZ; Eduardo A. S. et al.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0851-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040		
		<b>Filing Date</b>	2003-09-29		
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI		
		<b>Art Unit</b>	2617		
		<b>Examiner Name</b>	NGUYEN, KHAI MINH		
<b>Sheet</b>	4	<b>of</b>	17	<b>Attorney Docket No:</b> 030245	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2(f) known</sup>			
	058	US6208699	03-27-2001	CHEN; Tao. et al.	
	059	US6219374	04-17-2001	KIM; Seong Rag. et al.	
	060	US6222875	04-24-2001	DAHLMAN; Erik. et al.	
	061	US6222888	04-24-2001	KAO; Chihhsin. et al.	
	062	US6259746	07-10-2001	LEVIN; Howard E. et al.	
	063	US6292515	09-18-2001	KAO; Chihhsin. et al.	
	064	US6307844	10-23-2001	TSUNEHARA; Katsuhiko. et al.	
	065	US6335922	01-01-2002	TIEDEMANN; Jr. Edward G. et al.	
	066	US6347080	02-12-2002	JOU; Yu-Cheun. et al.	
	067	US6363255	03-26-2002	KUWAHARA; Soichi.	
	068	US6389056	05-14-2002	KANTERAKIS; Emmanuel. et al.	
	069	US6414988	07-02-2002	LING; Fuyun.	
	070	US6425105	07-23-2002	PIIRAINEN; Olli. et al.	
	071	US6483816	11-19-2002	TSUNEHARA; Katsuhiko. et al.	
	072	US6490461	12-03-2002	MULLER; Walter.	
	073	US6535723	03-18-2003	JIANG; Frances. et al.	
	074	US6549561	04-15-2003	CRAWFORD; James A.	
	075	US6563885	05-13-2003	MAGEE; David Patrick. et al.	
	076	US6570444	05-27-2003	WRIGHT; Andrew S.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, <sup>5</sup> kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<i>Complete if Known</i>			
		<b>Application Number</b>	10/674,040		
		<b>Filing Date</b>	2003-09-29		
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI		
		<b>Art Unit</b>	2617		
		<b>Examiner Name</b>	NGUYEN, KHAI MINH		
<b>Sheet</b>	5	<b>of</b>	17	<b>Attorney Docket No:</b> 030245	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	077	US6571101	05-27-2003	SCHULZ; Egon.	
	078	US6571104	05-27-2003	NANDA; Sanjiv. et al.	
	079	US6574205	06-03-2003	SATO; Toshifumi.	
	080	US6597913	07-22-2003	NATARAJAN; Kadathur S.	
	081	US6609007	08-19-2003	EIBLING; Edward Ellis. et al.	
	082	US6680925	01-20-2004	WU; Qiang. et al.	
	083	US6701151	03-02-2004	DIACHINA; John W. et al.	
	084	US6711208	03-23-2004	RAZOUMOV; Leonid. et al.	
	085	US6741862	05-25-2004	CHUNG; Sae-Young. et al.	
	086	US6744754	06-01-2004	LEE; Young Jo.	
	087	US6751264	06-15-2004	HO; Yui-Luen. et al.	
	088	US6751444	06-15-2004	MEIYAPPAN; Palaniappan.	
	089	US6757241	06-29-2004	JONES; Vincent K. et al.	
	090	US6836666	12-28-2004	GOPALAKRISHNAN; Nandu. et al.	
	091	US6847826	01-25-2005	WESBY; Philip. et al.	
	092	US6847828	01-25-2005	MIYOSHI; Kenichi. et al.	
	093	US6880103	04-12-2005	KIM; Young Hwan. et al.	
	094	US6898418	05-24-2005	RAUSCHMAYER; Dennis.	
	095	US6904286	06-07-2005	DANTU; Ramanamurthy.	
	096	US6917581	07-12-2005	PROCTOR; Jr. James A. et al.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document: by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/674,040	
		Filing Date	2003-09-29	
		First Named Inventor	DURGA PRASAD MALLADI	
		Art Unit	2617	
		Examiner Name	NGUYEN, KHAI MINH	
Sheet	6	of	17	Attorney Docket No: 030245

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	097	US6937582	08-30-2005	KRONESTEDT; Carl Fredric Ulf.	
	098	US6952561	10-04-2005	KUMAR; Sarath. et al.	
	099	US6982946	01-03-2006	WIBERG; Niclas. et al.	
	0100	US6987798	01-17-2006	AHN; Seong-Woo. et al.	
	0101	US7006429	02-28-2006	YOSHIDA; Makoto. et al.	
	0102	US7012912	03-14-2006	NAGUIB; Ayman Fawzy. et al.	
	0103	US7016651	03-21-2006	NARASIMHAN; Ravi.	
	0104	US7031741	04-18-2006	LEE; Young Jo. et al.	
	0105	US7050406	05-23-2006	HSU; Liangchi. et al.	
	0106	US7054275	05-30-2006	KIM; Dae-Gyun. et al.	
	0107	US7061986	06-13-2006	TONISSEN; Shane. et al.	
	0108	US7068702	06-27-2006	CHEN; Hung-Kun. et al.	
	0109	US7069038	06-27-2006	HAKKINEN; Hannu. et al.	
	0110	US7076001	07-11-2006	BEADLE; Edward R. et al.	
	0111	US7092706	08-15-2006	YANG; Bin.	
	0112	US7099397	08-29-2006	LEE; Goon Seop. et al.	
	0113	US7103021	09-05-2006	JOU; Yu-Cheun.	
	0114	US7120134	10-10-2006	TIEDEMANN; Jr. Edward G. et al.	
	0115	US7155236	12-26-2006	CHEN; Tao. et al.	
	0116	US7158504	01-02-2007	KADABA; Srinivas R. et al.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	<i>Complete if Known</i>			
	<b>Application Number</b>	10/674 040		
	<b>Filing Date</b>	2003-09-29		
	<b>First Named Inventor</b>	DURGA PRASAD MALLADI		
	<b>Art Unit</b>	2617		
	<b>Examiner Name</b>	NGUYEN, KHAI MINH		
<b>Sheet</b>	<b>7</b>	<b>of</b>	<b>17</b>	<b>Attorney Docket No:</b> 030245

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	0117	US7164669	01-16-2007	LI; Xiaodong. et al.	
	0118	US7177367	02-13-2007	STORM; Andrew.	
	0119	US7187646	03-06-2007	SCHRAMM; Peter.	
	0120	US7190964	03-13-2007	DAMNJANOVIC; Aleksandar. et al.	
	0121	US7197085	03-27-2007	VELLA-COLEIRO; George P.	
	0122	US7215930	05-08-2007	MALLADI; Durga P.	
	0123	US7257101	08-14-2007	PETRUS; Paul. et al.	
	0124	US7269389	09-11-2007	PETRUS; Paul. et al.	
	0125	US7272199	09-18-2007	STORM; Andrew. et al.	
	0126	US7274743	09-25-2007	KIM; Yong-Woon.	
	0127	US7277709	10-02-2007	VADGAMA; Sunil Keshavji.	
	0128	US7286558	10-23-2007	KIM; Youn-Sun. et al.	
	0129	US7286846	10-23-2007	CHEN; Tao. et al.	
	0130	US7313167	12-25-2007	YOON; Young C. et al.	
	0131	US7317711	01-08-2008	BAE; Beom-Sik. et al.	
	0132	US7327716	02-05-2008	FONG; Mo-Han. et al.	
	0133	US7336640	02-26-2008	MCDONOUGH; John G. et al.	
	0134	US7423992	09-09-2008	IWAMURA; Ryuichi.	
	0135	US7447258	11-04-2008	PIETILA; Samuli. et al.	
	0136	US7447287	11-04-2008	PARANTAINEN; Janne.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes ofUSPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.15 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by theUSPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-796-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO		<i>Complete if Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040	
		<b>Filing Date</b>	2003-09-29	
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	NGUYEN, KHAI MINH	
<b>Sheet</b>	8	<b>of</b>	17	<b>Attorney Docket No:</b> 030245

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	0137	US7463702	12-09-2008	AMMER; Gerhard. et al.	
	0138	US7505780	03-17-2009	WEI; Yongbin. et al.	
	0139	US7660282	02-09-2010	SARKAR; Sandip.	
	0140	US20030083069	05-01-2003	VADGAMA, Sunil Keshavji	
	0141	US20050254465	11-17-2005	LUNDBY, Stein A. et al.	
	0142	US20020067774	06-06-2002	RAZOUMOV, Leonid et al.	
	0143	US20020154610	10-24-2002	TIEDEMANN, Edward G. JR. et al.	
	0144	US20020021683	02-21-2002	HOLTZMAN; Jack. et al.	
	0145	US20020021692	02-21-2002	HUH; Hoon. et al.	
	0146	US20020111183	08-15-2002	LUNDBY; Stein A.	
	0147	US20020131522	09-19-2002	FELGENTREFF; Tilman.	
	0148	US20020137521	09-26-2002	KIM; Min-Goo. et al.	
	0149	US20020150077	10-17-2002	TEMERINAC; Miodrag.	
	0150	US20020183039	12-05-2002	PADGETT; Jay. et al.	
	0151	US20030039317	02-27-2003	TAYLOR; Douglas Hamilton. et al.	
	0152	US20030081538	05-01-2003	WALTON; Jay R. et al.	
	0153	US20030152102	08-14-2003	MORGAN; William. et al.	
	0154	US20030161340	08-28-2003	SHERMAN; Matthew J.	
	0155	US20030219037	11-27-2003	TOSKALA; Antti. et al.	
	0156	US20040101035	05-27-2004	BOER; Jan. et al.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040
		<b>Filing Date</b>	2003-09-29
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI
		<b>Art Unit</b>	2617
		<b>Examiner Name</b>	NGUYEN, KHAI MINH
<b>Sheet</b>	9	<b>of</b>	17
		<b>Attorney Docket No:</b> 030245	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	0157	US20040160922	08-19-2004	NANDA; Sanjiv. et al.	
	0158	US20040160933	08-19-2004	ODENWALDER; Joseph P. et al.	
	0159	US20040203973	10-14-2004	KHAN; Farooq Ullah.	
	0160	US20040228349	11-18-2004	VRZIC; Sophie. et al.	
	0161	US20040228389	11-18-2004	ODENWALDER; Joseph P.	
	0162	US20050002324	01-06-2005	SUTIVONG; Arak. et al.	
	0163	US20050004970	01-06-2005	JAIN; Avinash. et al.	
	0164	US20050007986	01-13-2005	MALLADI; Durga P. et al.	
	0165	US20050176456	08-11-2005	CHEN; Tao. et al.	
	0166	US20060007892	01-12-2006	SUDO; Hiroaki;	
	0167	US20060019701	01-26-2006	Ji; Tingfang	
	0168	US20060128410	06-15-2006	DERRYBERRY; Thomas R.; et al.	
	0169	US20060165126	07-27-2006	PETERSSON; Justus.; et al.	
	0170	US20060183497	08-17-2006	PARANCHYCH; David W.; et al.	
	0171	US20060215737	09-28-2006	BANG; Seung-Chan; et al.	
	0172	US20060264220	11-23-2006	CHEN; Tao.; et al.	
	0173	US20070111669	05-17-2007	MALLADI; Durga P.;	
	0174	US20080043683	02-21-2008	KWON; Hwan-Joon.; et al.	
	0175	US20080194286	08-14-2008	CHEN; Tao; et al.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.37 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/GB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040	
		<b>Filing Date</b>	2003-09-29	
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	NGUYEN, KHAI MINH	
<b>Sheet</b>	10	of	17	<b>Attorney Docket No:</b> 030245

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	0176	US20020136271	09-26-2002	HIRAMATSU, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number-Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	0177	WO02041531A2	05-23-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	0178	CN1263675	08-16-2000	QUALCOMM INC [US]		<input type="checkbox"/>
	0179	JP200277984	03-15-2002	TOSHIBA CORP.		<input type="checkbox"/>
	0180	CN1166094	11-26-1997	MITSUBISHI ELECTRIC CORP [JP]		<input type="checkbox"/>
	0181	EP0627827A2	12-07-1994	CSELT CENTRO STUDI LAB TELECOM [IT], et al.		<input type="checkbox"/>
	0182	EP0783210A2	07-09-1997	NEC CORP [JP].		<input type="checkbox"/>
	0183	EP0809364A2	11-26-1997	MITSUBISHI ELECTRIC CORP [JP].		<input type="checkbox"/>
	0184	EP0921652A2	06-09-1999	KOREA ELECTRONICS TELECOMM [KR].		<input type="checkbox"/>
	0185	EP1231807A2	08-14-2002	LG ELECTRONICS INC [KR].		<input type="checkbox"/>
	0186	EP1236471A2	09-04-2002	ALCON LAB INC [US].		<input type="checkbox"/>
	0187	EP1257140A1	11-13-2002	LUCENT TECHNOLOGIES INC [US].		<input type="checkbox"/>
	0188	EP1292057A1	03-12-2003	MITSUBISHI ELECTRIC CORP [JP].		<input type="checkbox"/>

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.87 and 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Receipt date: 07/09/2010

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040
		<b>Filing Date</b>	2003-09-29
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI
		<b>Art Unit</b>	2617
		<b>Examiner Name</b>	NGUYEN, KHAI MINH
<b>Sheet</b>	11	<b>of</b>	17
		<b>Attorney Docket No:</b> 030245	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
	0189	GB2301687A	12-11-1996	DSC COMMUNICATIONS [US].		<input type="checkbox"/>
	0190	GB2352944A	02-07-2001	KOREA ELECTRONICS TELECOMM [KR].		<input type="checkbox"/>
	0191	JP10013325A	01-16-1998	MATSUSHITA ELECTRIC IND CO LTD.		<input type="checkbox"/>
	0192	JP11154919A	06-08-1999	SONY INT EUROP GMBH.		<input type="checkbox"/>
	0193	JP11508417T	07-21-1999	TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
	0194	JP2000299680A	10-24-2000	LUCENT TECHNOLOGIES INC.		<input type="checkbox"/>
	0195	JP2001036500A	02-09-2001	SHARP KK.		<input type="checkbox"/>
	0196	JP2001238269A	08-31-2001	KDDI CORP.		<input type="checkbox"/>
	0197	JP2001515300T	09-18-2001	TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
	0198	JP2002159061A	05-31-2002	YRP MOBILE TELECOMM KEY TECH R. et al.		<input type="checkbox"/>
	0199	JP2002522988T	07-23-2002	SAMSUNG ELECTRONICS CO LTD		<input type="checkbox"/>
	0200	JP2003008521A	01-10-2003	FUJITSU LTD.		<input type="checkbox"/>
	0201	JP2003060606A	02-28-2003	HITACHI INT ELECTRIC INC.		<input type="checkbox"/>
	0202	JP2003060609A	02-28-2003	MITSUBISHI ELECTRIC CORP.		<input type="checkbox"/>
	0203	JP2003069523A	03-07-2003	TOYO COMMUNICATION EQUIP.		<input type="checkbox"/>
	0204	JP2004032518A	01-29-2004	SONY CORP.		<input type="checkbox"/>
	0205	JP2004320679A	11-11-2004	NAT INST INF & et al.		<input type="checkbox"/>

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
		Application Number	10/674,040	
		Filing Date	2003-09-29	
		First Named Inventor	DURGA PRASAD MALLADI	
		Art Unit	2617	
		Examiner Name	NGUYEN, KHAI MINH	
Sheet	12	of	17	Attorney Docket No: 030245

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	0206	JP2008072733A	03-27-2008	MATSUSHITA ELECTRIC IND CO LTD.		<input type="checkbox"/>
	0207	JP08298498A	12-11-1996	MITSUBISHI ELECTRIC CORP.		<input type="checkbox"/>
	0208	KR0156478B1	11-16-1998	LG ELECTRONICS INC [KR].		<input type="checkbox"/>
	0209	RU2073913C1	02-20-1997	KONINKL PHILIPS ELECTRONICS NV [NL].		<input type="checkbox"/>
	0210	RU2111619C1	05-20-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0211	RU2115246C1	07-10-1998	VOENNAJA AKADEMIJA SVJAZI.		<input type="checkbox"/>
	0212	RU2149518C1	05-20-2000	EHRIKSSON INK [US].		<input type="checkbox"/>
	0213	RU2183910C2	06-20-2002	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0214	RU2189696C2	09-20-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0215	WO0008869A2	02-17-2000	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0216	WO0042752A1	07-20-2000	SONY ELECTRONICS INC [US].		<input type="checkbox"/>
	0217	WO0048328A1	08-17-2000	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0218	WO0065743A1	11-02-2000	NOKIA MOBILE PHONES LTD [FI]. et al.		<input type="checkbox"/>
	0219	WO0110159A1	02-08-2001	HOTTINEN ARI [FI]. et al.		<input type="checkbox"/>
	0220	WO0124568A1	04-05-2001	QUALCOMM INC [US].		<input type="checkbox"/>
	0221	WO0141318A2	06-07-2001	KOREA ADVANCED INST SCI &amp; et al.		<input type="checkbox"/>
	0222	WO0199303A2	12-27-2001	QUALCOMM INC [US].		<input type="checkbox"/>

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/674,040	
		Filing Date	2003-09-29	
		First Named Inventor	DURGA PRASAD MALLADI	
		Art Unit	2617	
		Examiner Name	NGUYEN, KHAI MINH	
Sheet	13	of	17	Attorney Docket No: 030245

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> - Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
	0223	WO0199312A1	12-27-2001	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0224	WO0201762A1	01-03-2002	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0225	WO02063818A1	08-15-2002	mitsubishi electric corp [JP]. et al.		<input type="checkbox"/>
	0226	WO02065664A2	08-22-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0227	WO02080400A2	10-10-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0228	WO0233838A2	04-25-2002	NORTEL NETWORKS LTD [CA]. et al.		<input type="checkbox"/>
	0229	WO0237693A2	05-10-2002	CUTE LTD [IL]. et al.		<input type="checkbox"/>
	0230	WO03084163A1	10-09-2003	INTEL CORP [US]. et al.		<input type="checkbox"/>
	0231	WO2005015942A1	02-17-2005	QUALCOMM INC [US]. et al.		<input type="checkbox"/>
	0232	WO9205556A1	04-02-1992	KONINKL PHILIPS ELECTRONICS NV [NL].		<input type="checkbox"/>
	0233	WO9510144A1	04-13-1995	TELIA AB [SE]. et al.		<input type="checkbox"/>
	0234	WO9701256A1	01-09-1997	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0235	WO9733399A1	09-12-1997	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0236	WO9836606A2	08-20-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0237	WO9907089A1	02-11-1999	MOTOROLA INC [US].		<input type="checkbox"/>
	0238	WO9912282A1	03-11-1999	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0239	WO9929054A1	06-10-1999	GOLDEN BRIDGE TECH INC [US].		<input type="checkbox"/>

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040	
		<b>Filing Date</b>	2003-09-29	
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	NGUYEN, KHAI MINH	
<b>Sheet</b>	14	of	17	<b>Attorney Docket No:</b> 030245

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	0240	WO01017158A1	03-08-2001	QUALCOMM INC [US]		<input type="checkbox"/>
	0241	WO01028194A1	04-19-2001	QUALCOMM INC [US]		<input type="checkbox"/>
	0242	WO95007578A1	03-16-1995	QUALCOMM INC [US]		<input type="checkbox"/>
	0243	WO99001994A2	01-14-1999	QUALCOMM INC [US]		<input type="checkbox"/>
	0244	WO02095960	11-28-2002	QUALCOMM INCORPORATED		<input type="checkbox"/>
	0245	JP2002-026808	01-25-2002	MATSUSHITA ELECTRIC IND CO LTD		<input type="checkbox"/>
	0246	JP2002-232943	08-16-2002	SONY CORP		
	0247	JP2005-505955	02-24-2005	QUALCOMM INCORPORATED		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	0248	TA EIA Interim Standard IS-856-1, "CDMA 2000 High Rate Packet Data Air Interface Specification. Addendum 'I', January 2002. Pages 9-23 - 9-57, XP002299790.	
	0249	"Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 5.3.0 Release 5)", ETSI TS 125 211 v 5.3.0 (2002-12), December 2002, Pages 1-52.	
	0250	3G TS 25.211 "Physical channels and mapping of transport channels onto physical channels (FDD)", Release 5, V5.0.0, March 2002.	
	0251	3G TS 25.212 "Multiplexing and channel coding (FDD)", Release 5, V5.0.0, March 2002.	
	0252	3G TS 25.213 "Spreading and modulation (FDD)", Release 5, V5.0.0, March 2002.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 144B/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/674,040	
		Filing Date	2003-09-29	
		First Named Inventor	DURGA PRASAD MALLADI	
		Art Unit	2617	
		Examiner Name	NGUYEN, KHAI MINH	
Sheet	15	of	17	Attorney Docket No: 030245

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	0253	3G TS 25.214 "Physical layer procedures (FDD)", Release 5, V5.0.0, March 2002.	
	0254	3GPP TS C.50024: "CDMA 2000 High Rate Packet Data Air Interface Specification", 3RD Generation Partnership Project 2, "3GPP2" September 12, 2000. Pages I xxxix, 6-1 - 6-77, 8-1 - 8-54.	
	0255	3rd Generation Partnership Project, Technical Specification Group Radio Access Network: 3GPP TS 25.322 V4.7.0; Radio Access Link Control (RLC) Protocol Specification; Release 4, DECEMBER 2002 (2002-12), pages 1-76.	
	0256	ATTAR R.A et al. "A reverse link outer-loop power control algorithm for cdma2000 1xEV systems," ICC 2002. 2002 IEEE International Conference on Communications, New York, NY, Vol 1 of 5. 28 April 2002, pages 573-578. XP010589559.	
	0257	CHEN, TAU, "Method and Apparatus for Forward Link Power Control During Soft Handoff in a Communication System", US Provisional Application 60/356,929 entitled, filed 2/12/02, QUALCOMM Incorporated.	
	0258	GYUNG-HO HWANG et al. "Distributed Rate Control for Throughput Maximization and DOS Support in WCDMA System", 2001 IEEE, October 7-11, 2001, Pages 1721-1725.	
	0259	HAMAGUCHI, et al., "Characteristics of Orthogonal Slow-FH/16QAM method applying Interference-resistant Demodulation," Proceedings of Inst. Of Electronics, Information and Communication Engineers, B-II, June 25, 1995, vol. J78, B-II, no. 6, pp. 445-453.	
	0260	NANDAGOPAL T et al: "Service differentiation through end-to-end rate control in low bandwidth wireless packet networks" Mobile Multimedia Communications, 1999. 1999 IEEE International workshop on San Diego, CA USA 15-17 Nov 1999 Piscataway, NJ, USA IEEE.	
	0261	SARKAR S et al., "Adaptive Control of the Reverse Link in CDMA2000", International Journal Of Wireless Information Networks, PLENUM PRESS, NY, US, Vol.9, No.1/1/2002, pgs 55-70, XP002300880, ISSN: 1068-9605.	
	0262	SARKAR S., et al., "CDMA2000 Reverse Link: Design and System Performance" VTC 2000-Fall. IEEE VTS 52nd, Vehicular Technology Conference, Boston, MA, September 24-28, 2000. Vol 6 of 6 Conf. 52, pages 2713-2719.	
	0263	SOHN et al., "Blind Rate Detection Algorithm in WCDMA Mobile Receiver", IEEE 54th Vehicular Technology Conference Proceedings, Atlantic City, NJ, October 7, 2001, pages 1589-1592.	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<i>Complete if Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/674,040	
		<b>Filing Date</b>	2003-09-29	
		<b>First Named Inventor</b>	DURGA PRASAD MALLADI	
		<b>Art Unit</b>	2617	
		<b>Examiner Name</b>	NGUYEN, KHAI MINH	
<b>Sheet</b>	16	of	17	<b>Attorney Docket No:</b> 030245

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	0264	SUNAY, M, OGUZ, et al.: "Provision of Variable Data Rates in Third Generation Wideband DS CDMA System," wireless Communications and Networking Conference, 1999, 21 September 1999, pgs 505-509.	
	0265	The CDMA 2000 ITU-R RTT Candidate Submission 0: 18 Online 27 July 1998.	
	0266	TIA/EIA-95; "Mobile Station- Base Station Compatibility Standard For Wideband Spread Spectrum Cellular Systems"(1999-04).	
	0267	TIA/EIA/IS-856-1; "CDMA 2000 High Rate Packet Data Air Interface Specification" Addendum 1(2002-06).	
	0268	YOU Y-H, et al.: "MC-VSG BNET System for High-Rate Wireless Personal Area Network Applications, IEEE Transactions on Consumer Electronics, IEEE Inc., New York US, Vol. 48, No.2, May 2002, pgs 254-264.	
	0269	YOUNG-JOO SONG et al. "Rate-control Snoop : A Reliable Transport Protocol for Heterogeneous Networks with Wired and Wireless Links", IEEE Proceedings 2003, vol. 2, Mar. 16, 2003, pp. 1334-1338. Cited by other.	
	0270	YOUNG-UK CHUNG et al, "An Efficient Reverse Link Data Rate Control Scheme for 1xEV-DV System," IEEE 54TH. Vehicular Technology Conference Proceedings. Atlantic City, NJ, Oct. 7-11, 2001. IEEE, US, Vol 1 of 4, Conf. 54, October 10, 2001, pages 820-823.	
	0271	3GPP2 C: "CDMA 2000 High Rate Packet Data Air Interface Specification C.S0024" 3GPP STANDARDS, 12 September 2000 (2000-09-12), XP002206456 cited in the application.	
	0272	CHAKRAVARTY S ET AL: "An Algorithm for Reverse Traffic Channel Rate Control for CDMA 2000 High Rate Packet Data Systems" GLOBECOM'01. 2001 IEEE GLOBAL Telecommunications Conference. SAN ANTONIO, TX, NOV. 25 - 29, 2001, IEEE Global Telecommunications Conference, NEWYORK, NY : IEEE, US, x vol. VOL. 6 OF 6, 25 November 2001 (2001-11-25), pages 3733-3737, XP002277693	

EXAMINER SIGNATURE

/Khai Nguyen/

DATE CONSIDERED

07/29/2010

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.N./